

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due
PO34711	SAB003- VU	1	1	Net 30		UHMW 1" Black - 48" X120" Tivar Mfg, #52480104 : Mfg, #52480104 : MATERIAL: UHMW BLACK TIVAR 1000 VIRGIN MATERIAL MANUFACTURER: POLY HI SOLDUR/QUADRANT PLASTICS THICKNESS- TOLERANCE: +0.030" NO MINUS				400	2/27/2018	400		\$045595	Stock	2/26/2018	\$ 21.10 / sf	0	
		2										400		\$045596	Stock	2/26/2018	\$ 21.10 / sf	0	
		3										400	7	S045597	Stock	2/26/2018	\$ 21.10 / sf	0	
		4										400	4	S045598	Stock	2/26/2018	\$ 21.10 / sf	0	
									Total:	1,600		1,600						-	

Plex 2/26/2018 3:42 PM Dart.Dubois.Pascal



Dart Aerospace Ltd. 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada

PURCHASE ORDER PO34711

Tel (613) 632-5200

Supplier:

SAB003-VU

Polymershapes LLC P.O. Box 15500 Station A

Toronto

ON

M5W 1C1 Canada Phone: 613-745-7043

Fax: 613-745-4291

Ship To:

1270 Aberdeen Street

Hawkesbury

ON

K6A 1K7 Canada Phone: 613-632-5200 PO No:

PO34711

PO Date:

12/20/17 1/17/18

Due Date:

Purchase Order Revision:

Revision Date:

Ship-To Contact:

Phone:

Pymt Terms:

net 30

Freight Terms:

Special Comments:

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Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	минмwв10		UHMW 1" Black - 48"x120" Tivar Mfg.#52480104 : MATERIAL: UHMW BLACK TIVAR 1000 VIRGIN MATERIAL MANUFACTURER: POLY HI SOLDUR/QUADRANT PLASTICS THICKNESS-TOLERANCE: +0.030"/NO MINUS	Firmed	2/27/18	400 sf	0(sf 400		\$21.10/sf	\$8,440.00 DAS 11 9-89
2	минмwв10		UHMW 1" Black - 48"x120" Tivar Mfg.#52480104 : MATERIAL: UHMW BLACK TIVAR 1000 VIRGIN MATERIAL MANUFACTURER: POLY HI SOLDUR/QUADRANT PLASTICS THICKNESS-TOLERANCE: +0.030"/NO MINUS	Firmed	2/27/18	400 sf	400) 400 sf	\$21.10/sf	\$8,440.00 DAS ***********************************
3	минмwв10	an in American de La Contraction de La Contracti	UHMW 1" Black - 48"x120" Tivar Mfg.#52480104 : MATERIAL: UHMW BLACK TIVAR 1000 VIRGIN MATERIAL MANUFACTURER: POLY HI SOLDUR/QUADRANT PLASTICS THICKNESS-TOLERANCE: +0.030"/NO MINUS	Firmed	2/27/18	400 sf	o(sf) 400 FEE	400 sf	19	\$8,440.00 DAS # 4 -59
4	минмwв10		UHMW 1" Black - 48"x120" Tivar Mfg.#52480104 : MATERIAL: UHMW BLACK TIVAR 1000 VIRGIN MATERIAL MANUFACTURER: POLY HI SOLDUR/QUADRANT PLASTICS THICKNESS-TOLERANCE: +0.030"/NO MINUS	Firmed	2/27/18	400 sf	0 (si) 400	400 sf	\$21.10/sf 6 2018 1	S
***********				!				(Grand Total:	\$33,760.00



Certificate of Conformance

1665 55th Avenue Dorval, Quebec, H9P 2W3

Date: January 12/2018

Attn:	RECEIVING DEPARTMENT	Customer P.	O. Number:	PO34711
To:	DART AEROSPACE LTD.	Sale	s Order No:	93027301
Address:	1270 ABERDEEN STREET	Manufacturer's		
	HAWKESBURY, ON.			MTL-106148
	10 H	•		
below confor such product Polymershap	certified that, to the best of Polymershapes I rms to the corresponding information in the p cts. This certification and the sale of propes Distribution Canada standard conditions written approval.	ossession of Polymoducts are, unless	ershapes Dist otherwise	ribution Canada with respect to
Quantity	Description			Lot Number/Spec.
40 SHTS	TIVAR 1000 PLATE BLACK PLANED 2 SID 1 X 48" X 120"	DES +/020	00067	
		-95 101 10 10 10 10		
				+
				<i>I</i>
		Polymershapes	Canada Distribu	ition Inc.
		Ву:	0-	lge Kurine
		Title:	Quality Cod	



Quadrant EPP USA, Inc. 2120 Fairmont Avenue, P.O. Box 14235 Reading, PA 19612-4235 Phone 610-320-6600

Ship to:

Polymershapes - Dorval 1665 - 55th Avenue

Dorval, QUE H9P 2W3 Canada

Consignee: 0002000430

Sold to:

Polymershapes - Dorval 1665, 55 Avenue

Dorval, QUE H9P 2W3 Canada

Delivery address: 1A Delivery No: 9175912

Declaration of compliance with the order according EN 10204 - 2.1

TIVAR 1000 PLATE BLACK 1 x 48 x 120 IN PLANED 2 SIDES, +/- .020

Item No: 03010110318

Lot: 0006703639

Ship date: 10/13/17

Original Production Lot: 0006494342

Date of MFG: 10/09/17

Qty: 40.00 PC

Supplied against purchase order number: MTL-106148

Quadrant Order No: 0002071552

Product is known as ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE with a pigment additive.

Base resin meets ASTM D4020 with a molecular weight of 3.0 to 6.2 million G/Mol.

For specific details related to regulatory compliance, see Quadrants Regulatory Letter for this material, which is available upon request.

We hereby certify that the goods described above comply with the terms of the order contract and conform to our Product Specifications. The Quality Management System of the Quadrant EPP plants in Reading, PA, Scranton, PA, Wytheville, VA, Delmont, PA and Ft. Wayne, IN are certified according to ISO 9001. The ISO Certificate is available upon request.

CERTIFIED BY: Eric Weir

FUNCTION: Product Specification & Certification Engineer

E-MAIL: eric.weir@qplas.com

DATE: 10/13/17

DIGITAL SIGNATURE

MATERIAL: Mul			-1 -	PO / BATCH	NO.: <u>347/</u>	1/504559
MATERIAL CERT REC'D: QUANTITY RECEIVED: QUANTITY INSPECTED: QUANTITY REJECTED:	100° 400° 400°	7,2	THI SHE	CKNESS ORDE CKNESS RECEI EET SIZE ORDE EET SIZE RECEI	VED: 1-0 RED: 0	00 4X10
DESCRIPTION	NCR (Check Y/N)			COMMENT	rs	
SURFACE DAMAGE	Y N)		***		
CORRECT FINISH	YN	1			-	
CORROSION	Y N		*	1		
CORRECT GRAIN DIRECTION	(Y) N	0.1				
CORRECT MATERIAL PER M-DRAWING	(Y) N	Black	KTIVER	1000		
CORRECT THICKNESS	Y) N					
PHOTO REQUIRED	YM		- //	<i>i</i>		
CORRECT REF # TO LINK CERT	(A) M	LOT	#000X	070363	9	
CORRECT MATERIAL IDENTFICATION						
CORRECT M# ON THE MATERIAL	(Y) N					
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	YN					
DOES THIS REQUIRE AN EXTRUSION REPORT	Y					
CUT SAMPLE PIECE	E OF MA	TEDIAL A	ND PRECO	DM A HADDNE	SS CHECK	
COT SAMPLE FIECE			ULTS BELO		33 CHECK.	
	1	HRC	HRB	DURA	DUR D	WEBSTER
TYPE OF MATERIAL					20112	1120121
SIZE OF TEST SAMPLE		****				
HARDNESS / DUROMETER READI	NG					
	testers	located in	the Quality Offi	ice		
QC 18 INSPECTION				ENGINEER	IING SIGNO	FF (if required)
				LINGINEER	IIVO SIGNOI	(II required)
INSPECTED BY: 9-89			SIG	NED OFF BY:		
DATE: FEB 2 6	6 2018			DATE:		

0 O NONE REV. C SCALE 12.09.27 11.06.09 SHEET 1 OF COPYRIGHT © 2005 BY DART AEROSPACE LTD

Instruction of the invent according to the control of the control of the invent of the i 05.03.31 DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA RF AJS AP REFORMAT ADDED MATERAL REQUIREMENTS FROM D2689 MANUFACTURER UPDATED (SEE PAR 11-105) DELEASE N 12/10/20 47 INCREASED ACCURACY OF PART NUMBER THICKNESS, "TTT" WAS "TT" ECN 12-672 TITLE UHMW SHEET DRAWING NO. WHERE TTT = THICKNESS IN 1/100 INCHES C C = COLOUR (B = BLACK) (W = WHITE) A P A 12.09.27 **NEW ISSUE** MFG. APPR. APPROVED CHECKED DESIGN DE APPR. PURCHASE MATERIAL: UHMW BLACK TIVAR 1000 VIRGIN MATERIAL MANUFACTURER: POLY HI SOLDUR/QUADRANT PLASTICS THICKNESS - TOLERANCE: +0.030"/ NO MINUS O 8 REV. EG 1.000" UHMW BLACK TWAR 1000 = MUHMWB100 1.250" UHMW BLACK TIVAR 1000 = MUHMWB125 MINIMUM MATERIAL PROPERTY VALUES *REFERENCE DART REPORT DR-1041 ULTIMATE BEARING 4200 PSI FLEXURAL MODULUS 105000 PSI ULTIMATE TENSILE 4600 PSI PART NUMBER: MUHMW C TTT YIELD SHEAN,
ULTIMATE SHEAR 3500 PSI 2900 PSI YIELD TENSILE ۵ O В

MATERIAL: MUHMWB10 DATE: FEB 2 6 2018	PO/BATCH NO::34711/5045596
QUANTITY RECEIVED: 400 fr 2 QUANTITY REJECTED:	THICKNESS ORDERED: 1.000 THICKNESS RECEIVED: 1.000 SHEET SIZE ORDERED: 4x00 SHEET SIZE RECEIVED: 4x10

	,		
DESCRIPTION	(Ch	CR eck N)	COMMENTS
SURFACE DAMAGE	Υ	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL PER M-DRAWING	(Y)	N	Black tivar 1000
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	N	
CORRECT REF # TO LINK CERT	S)	N	LOT# 0006703639
CORRECT MATERIAL IDENTFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	8	Ν	
DOES THIS MATERIAL REQUIRE			
ENGINEERING SIGN OFF	Υ	(N)	
DOES THIS REQUIRE AN	0.7128	2	
EXTRUSION REPORT	Υ	(N)	

CUT SAMPLE PIECE OF	MATERIAL A			SS CHECK.	·		
	HRC	HRB	DUR A	DUR D	WEBSTER		
TYPE OF MATERIAL SIZE OF TEST SAMPLE							
HARDNESS / DUROMETER READING							

testers located in the Quality Office

QC 18 INSPECTION	With the text of the latest	ENGINEERING SIGNOFF (if required)
INSPECTED BY:	DAS	SIGNED OFF BY:
DATE:	9-8PEB 2 6 2018	DATE:

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not to the cost of the remaining the completion of the cost of 11.06.09 05.03.31 DATE DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA AP AJS RF REFORMAT ADDED MATERIAL REQUIREMENTS FROM D2689 MANUFACTURER UPDATED (SEE PAR 11-105) DELEASE RILLING W INCREASED ACCURACY OF PART NUMBER THICKNESS, "TTT" WAS "TT" ECN 12-672 UHMW SHEET DRAWING NO. DESCRIPTION MUHMW TITLE WHERE TIT = THICKNESS IN 1/100 INCHES C
C = COLOUR (B = BLACK)
(W = WHITE) AP R **NEW ISSUE** 12.09.27 CHECKED MFG. APPR. APPROVED DE APPR. DESIGN PURCHASE MATERIAL: UHMW BLACK TIVAR 1000 VIRGIN MATERIAL MANUFACTURER: POLY HI SOLDUR'QUADRANT PLASTICS THICKNESS - TOLERANCE: +0.030"/ NO MINUS EG. 1.000" UHMW BLACK TIVAR 1000 = MUHMWB100 1.250" UHMW BLACK TIVAR 1000 = MUHMWB125 MINIMUM MATERIAL PROPERTY VALUES *REFERENCE DART REPORT DR-1041 ULTIMATE BEARING 4200 PSI FLEXURAL MODULUS 105000 PSI ULTIMATE TENSILE 4600 PSI PART NUMBER: MUHMW C TTT THICK 3500 PSI 2800 PSI 2900 PSI 2200 PSI **ULTIMATE SHEAR** YIELD BEARING YIELD TENSILE YIELD SHEAR æ ۵ O

MATERIAL: Mail DATE: FEB	mwB10 26 2018	_	PO / BATCI	н NO.: <u>347</u>	11/50435	97
MATERIAL CERT REC'D: YE' QUANTITY RECEIVED: 400 QUANTITY INSPECTED: 400 QUANTITY REJECTED: 400	5 01'2	_ THIC	CKNESS ORDE KNESS RECE ET SIZE ORDE ET SIZE RECE	RED: 1.0	100 X10 X10	- - -
DESCRIPTION (C	NCR Check Y/N)		COMMEN	TS		
SURFACE DAMAGE Y						
CORRECT FINISH (Y						
CORROSION	(Ñ)					
CORRECT GRAIN DIRECTION		./ /:				
CORRECT MATERIAL PER M-DRAWING	THE CO	K Tive	10 100	0		
CORRECT THICKNESS PHOTO REQUIRED Y		*				
CORRECT REF # TO LINK CERT		H and	0-12/30	>		
CORRECT MATERIAL IDENTFICATION (Y		4 00001	03639			
CORRECT M# ON THE MATERIAL						
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF Y	(N)					
DOES THIS REQUIRE AN	M					
EXTRUSION REPORT Y	(N)					
CUT SAMPLE PIECE OF		AND PREFORM		SS CHECK.		
	HRC	HRB T	DUR A	DUR D	WEBSTER	
YPE OF MATERIAL		1	00.17.7	DOND	ANCOSTER	
SIZE OF TEST SAMPLE						
ARDNESS / DUROMETER READING						
<u> 1</u>	esters located in	the Quality Office	2			
C 18 INSPECTION			ENGINEER	ING SIGNOF	F (if required)	
INSPECTED BY:		SIGN	ED OFF BY:			
DATE: FEB 2 6 201	8		DATE:			
			DATE.			

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THIS DOCUMENT IS PRIVATE AND CONTINUE TO BE INSPECTED DAY OTHER PROSPECTION OF THE PROSPECTED TO BE A PROSPECTED DAY OTHER PROSPECTED DAY OTHER PROSPECTED DAY OTHER PROSPECTED DAY. 11.06.09 SHEET 1 OF 05.03,31 DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA AP AJS RF REFORMAT ADDED MATERIAL REGUIREMENTS FROM D2689 MANUFACTURER UPDATED (SEE PAR 11-105) DELEASE TZINTO (C) INCREASED ACCURACY OF PART NUMBER THICKNESS, "TTT" WAS "TT" ECN 12-672 UHMW SHEET DRAWING NO. DESCRIPTION MUHMW WHERE TTT = THICKNESS IN 1/100 INCHES.

C = COLOUR (B = BLACK)
(W = WHITE) RF AP MFG. APPR. N. APPROVED APPROVED DE APPR. DATE 12.09.27 NEW ISSUE CHECKED DESIGN PURCHASE MATERIAL: UHMW BLACK TIVAR 1000 VIRGIN MATERIAL MANUFACTURER: POLY HI SOLDUR/QUADRANT PLASTICS THICKNESS - TOLERANCE: +0.030"/ NO MINUS REV. B EG. 1.000" UHMW BLACK TIVAR 1000 = MUHMWB100 1.250" UHMW BLACK TIVAR 1000 = MUHMWB125 MINIMUM MATERIAL PROPERTY VALUES *REFERENCE DART REPORT DR-1041 YIELD BEARING 2800 PSI ULTIMATE BEARING 4200 PSI FLEXURAL MODULUS 105000 PSI ULTIMATE TENSILE 4600 PSI ULTIMATE SHEAR 3500 PSI YIELD BEARING 2800 PSI PART NUMBER: MUHMW C TTT THICK 2900 PSI 2200 PSI YIELD TENSILE YIELD SHEAR ۵ O B

MATERIAL: MUH DATE: FEI	B 2 6 20	_ _	PO / BATCI	н NO.: <u>3 У</u>	711 /50453	
MATERIAL CERT REC'D: 40 QUANTITY RECEIVED: 40 QUANTITY INSPECTED: 40 QUANTITY REJECTED: 40	25 00 P12		_ THI	CKNESS ORDE CKNESS RECE EET SIZE ORDE EET SIZE RECE	RED: 4	00
DESCRIPTION	NCR (Check Y/N)			COMMEN	TS	
SURFACE DAMAGE	YIN	 				
CORRECT FINISH	(Y) N					
CORROSION	Y N					
CORRECT GRAIN DIRECTION	(Y) N	01				
CORRECT MATERIAL PER M-DRAWING	YN	Blec	K tiva	V 1000		
CORRECT THICKNESS PHOTO REQUIRED	(A)					
CORRECT REF # TO LINK CERT (Y (V)	10-12	+-010-1-	-3/30		
CORRECT MATERIAL IDENTFICATION	X N	WITE	100067	03639		
CORRECT M# ON THE MATERIAL	NN					
DOES THIS MATERIAL REQUIRE	2 ``					
ENGINEERING SIGN OFF	YM					
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)					
CUT SAMPLE PIECE	OF MAT	ERIAL A	ND PREFOR	M A HARDNE	SS CHECK.	
			ULTS BELOV			
YPE OF MATERIAL		HRC	HRB	DUR A	DUR D	WEBSTER
SIZE OF TEST SAMPLE	-					-
HARDNESS / DUROMETER READIN	G -					
		located in	the Quality Office	Ll		
				_		
QC 18 INSPECTION		÷		ENGINEER	ING SIGNOF	F (if required)
INSPECTED BY:			SIGN	NED OFF BY:		, and famous
DATE: FEB 2 6 20	18			DATE:		
				DAIL.		

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DART AEROSPACE LTD

HAWKESBURY, ONTARIO, CANADA

RE AJS AP RF REFORMAT ADDED MATERIAL REQUIREMENTS FROM D2689 MANUFACTURER UPDATED (SEE PAR 11-105) DELEASE INCREASED ACCURACY OF PART NUMBER THICKNESS, "TTT" WAS "TT" ECN 12-672 UHMW SHEET MUHMW TITLE WHERE TTT = THICKNESS IN 1/100 INCHES. 12.09.27 NEW ISSUE CHECKED
MFG. APPR.
APPROVED
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